CHM129 Problem Set #8

(2)
$$M_1 = 1.59 \, \text{M Her}$$
 $M_2 = 0.100 \, \text{M Her}$ $V_1 = ?$ $V_2 = 5.00 \, \text{mL}$

$$M_1V_1 = M_2V_2 \Rightarrow V_1 = \frac{M_2V_2}{M_1} = \frac{(0.100M)(5.00mL)}{1.59M}$$

$$V_1 = 0.314 \, \text{mL}$$
 or $3.14 \times 10^4 \, \text{L}$

total volume